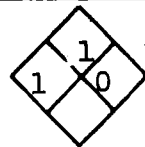


JAN 22 1982

DPM 1368

Re-issue 02.05

**ROHM AND HAAS COMPANY**EMPLOYEE HEALTH PROTECTION DEPT.  
INDEPENDENCE MALL WEST  
PHILADELPHIA, PA. 19105EMERGENCY PHONE: 215-592-3000  
800 424-9300 (CHEMTREC)**HAZARD  
DESIGNATION****MATERIAL SAFETY DATA SHEET**(ESSENTIALLY SIMILAR TO OSHA-20 FORM  
U.S. DEPARTMENT OF LABOR)**SECTION I - IDENTIFICATION OF PRODUCT:**

TRADE NAME: <b>TRITON X-100</b>	FREIGHT CLASSIFICATION	PRODUCT CODE NO.: <b>6-1572</b>
FORMULA: <b>OPE<sub>9-10</sub> (SURFACTANT)</b>	CHEMICAL NAME & SYNONYMS: <b>ALKYL ARYL POLYETHER ALCOHOL</b>	

**SECTION II - HAZARDOUS COMPONENTS:**

COMPONENT	WEIGHT %	T.L.V.
<b>ALKYL ARYL POLYETHER ALCOHOL (slight health hazard)</b>	<b>100</b>	<b>not estab.</b>

**SECTION III - PHYSICAL DATA:**

APPEARANCE - ODOR <b>Slightly hazy viscous liquid. Mild inoffensive odor.</b>	BOILING POINT (°F) <b>520°F at 760 mmHg.</b>
VAPOR PRESSURE 68°F (MM MERCURY) <b>0.05 mmHg 275</b>	VAPOR DENSITY (AIR = 1) <b>21.0</b>
MELTING OR FREEZING POINT (°F) <b>pour pt. = 45°F</b>	EVAPORATION RATE ( = 1) <b>NA</b>
SPECIFIC GRAVITY (WATER = 1) <b>1.07</b>	PERCENT VOLATILE (BY WEIGHT) <b>-0-</b>
	SOLUBILITY IN WATER <b>complete</b>

**SECTION IV - FIRE & EXPLOSION HAZARD DATA:**

FLASH POINT °F (METHOD USED) <b>&gt; 525 (TOC)</b>	LOWER EXPLOSION LIMIT (%) <b>NA</b>	UPPER EXPLOSION LIMIT (%) <b>NA</b>
AUTO IGNITION TEMPERATURE (°F) <b>No data</b>	MINIMUM EXPLOSION CONCENTRATIONS (OZ/ CU FT.) <b>NA</b>	ENERGY TO IGNITE (MILLIJOULES): <b>NA</b>

**EXTINGUISHING MEDIA:**

☐ FOAM
 ☒ "ALCOHOL" FOAM
 ☒ CO<sub>2</sub>
☒ DRY CHEMICAL
 ☒ WATER FOG
 ☐ OTHER

**SPECIAL FIRE FIGHTING PROCEDURES:**

**Wear Bureau of Mines/NIOSH approved self contained breathing apparatus (schedule #13).**

**UNUSUAL FIRE & EXPLOSION HAZARDS:**

**None obvious**

**SECTION V - HEALTH HAZARD DATA:** Acute oral LD<sub>50</sub> Rats = 1800 mg/kg.**THRESHOLD LIMIT VALUE: ACGIH**

**Not established.**

**EFFECTS OF OVEREXPOSURE:**

Low vapor pressure makes inhalation hazard unlikely.  
 Direct liquid contact with eyes can cause irritation (surfactant pH 6-8).  
 Repeated or prolonged skin contact may cause mild irritation.

**EMERGENCY AND FIRST AID PROCEDURES:**

**INHALATION:** Move subject to fresh room temperature air.

**EYE AND SKIN CONTACT:** Flush eyes promptly with copious amounts of water for 15 minutes and consult an ophthalmologist.

BOE-C6-0203558

**SECTION VI - REACTIVITY DATA:**

STABILITY:

☒ STABLE ☐ UNSTABLE

CONDITIONS TO AVOID:

HAZARDOUS DECOMPOSITION PRODUCTS:

Thermal decomposition may yield oxides of carbon.

HAZARDOUS POLYMERIZATION:

☐ MAY OCCUR ☒ WILL NOT OCCUR

CONDITIONS TO AVOID:

INCOMPATIBILITY (MATERIALS TO AVOID):

☐ WATER ☐ OTHER None obvious.**SECTION VII - SPILL OR LEAK PROCEDURE:**

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Dike and absorb spill with inert material (dry sand, earth, etc.) and transfer to suitable containers for disposal. Remove contaminated clothing and wash affected skin areas with water. Wash clothing before reuse.

WASTE DISPOSAL METHODS:

Incinerate liquid in approved equipment. Absorbed material should be landfilled in closed containers according to local, state and federal regulations.

**SECTION VIII - SPECIAL PROTECTION INFORMATION:**

TYPE VENTILATION:

General ventilation.

RESPIRATORY PROTECTION (SPECIFY TYPE):

None required under normal operating conditions.

PROTECTIVE GLOVES:

Impervious gloves.

EYE PROTECTION:

Splash proof goggles (ANSI Z87.1, 1968)

OTHER PROTECTIVE EQUIPMENT:

Impervious apron, eye wash facility.

**SECTION IX - STORAGE AND LABELING:**

STORAGE —

INDOOR:

☒ YES ☐ NO

HEATED:

☐ YES ☒ NO

REFRIGERATED:

☐ YES ☒ NO

OUTDOOR:

☐ YES ☐ NO

STORAGE TEMPERATURE (°F):

MAX:

MIN:

COMMENTS:

Material is non corrosive to aluminum, carbon steel or copper.

PRECAUTIONARY LABELING:

ROHM AND HAAS FOLLOWS THE MANUFACTURING CHEMISTS' ASSOCIATION GUIDE FOR

LABELING OF PRODUCTS WHICH CONTAIN HAZARDOUS MATERIALS. PLEASE REFER TO INFORMATION PROVIDED ON THIS FORM AND TO PRODUCT LABELS ON CONTAINERS.

N.A. - NOT APPLICABLE